

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 11-13 and 24-29 in accordance with the following:

1. (Previously Presented) A method of detecting an optical disc, comprising:
detecting a size of the optical disc inserted in an optical disc drive by sensing a weight of the optical disc and driving the optical disc drive;
determining the size of the optical disc by detecting an amount of data recorded on the optical disc from a lead-in area of the optical disc;
if the detected amount of data recorded on the optical disc is below a reference value, moving a pickup to a periphery area and measuring a focus error; and
if the measured focus error is above a constant value, detecting the optical disc as a certain optical disc type and limiting the operational speed level of the optical disc drive.

2. (Original) The method of claim 1, wherein the optical disc detected according to the weight thereof is either a standard disc having a diameter of 12 cm or a fashion disc having a diameter of 8 cm.

3. (Original) The method of claim 1, wherein the optical disc determined according to the amount of data recorded on the optical disc is any one disc among a standard disc having a diameter of 12 cm on which data is fully recorded, a standard disc having a diameter of 12 cm on which data is partially recorded, and a fashion disc having a diameter of 8 cm.

4. (Original) The method of claim 1, wherein the certain optical disc type is a fashion disc having a diameter of 8 cm.

5. (Original) The method of claim 1, wherein if the measured focus error is below the constant value, the optical disc is detected as a standard disc having a diameter of 12 cm on which data is partially recorded.

6. (Original) An apparatus detecting an optical disc, comprising:
a weight detection unit detecting a weight of the optical disc inserted in a disc drive;
a comparison unit comparing an amount of data recorded on the optical disc from the lead-in area of the optical disc with a reference value; and
a disc detection unit detecting a size of an optical disc according to the weight detected via the weight detection unit, determining the size of the optical disc by detecting the amount of data recorded on the optical disc from a lead-in area of the optical disc when the disc drive is driven, if determined as a result of the comparison via the comparison unit that the amount of data recorded on the optical disc is below the reference value, moving a pickup to a periphery area and measuring a focus error, and if the measured focus error is above a constant value, detecting the optical disc as a certain optical disc type.

7. (Original) The apparatus of claim 6, wherein the detection unit includes:
a first disc detection unit that detects the size of the disc according to the weight detected via the weight detection unit;
a second disc detection unit that determines the size of the optical disc by detecting the amount of data recorded on the optical disc from the lead-in area of the optical disc when the disc drive is driven; and
a third disc detection unit that moves the pickup to the periphery area and measures the focus error, if it is determined as the result of the comparison via the comparison unit that the amount of data recorded on the optical disc is below the reference value, and detects the optical disc as the certain optical disc type, if the measured focus error is above the constant value.

8. (Original) The apparatus of claim 7, wherein the first disc detection unit detects the optical disc as either a standard disc having a diameter of 12 cm or a fashion disc having a diameter of 8 cm according to the weight of the optical disc.

9. (Original) The apparatus of claim 7, wherein the second disc detection unit detects

the optical disc as any one disc among a standard disc having a diameter of 12 cm on which data is fully recorded, a standard disc having a diameter of 12 cm on which data is partially recorded, and a fashion disc having a diameter of 8 cm according to the amount of data recorded on the optical disc.

10. (Original) The apparatus of claim 7, wherein the third disc detection unit detects the optical disc as a certain optical disc predetermined as a fashion disc having a diameter of 8 cm if the measured focus error is below the constant value and as a standard disc having a diameter of 12 cm on which data is partially recorded if the measured focus error is above the constant value.

11-17. (Cancelled)

18. (Previously Presented) A method of determining a diameter of an optical disc in an optical disc drive, comprising:

- operating the optical disc drive;
- reading a data recording capacity of the optical disc from a lead-in area of the optical disc;

- determining the diameter of the optical disc from the data recording capacity;
- comparing the data recording capacity to a reference value;
- moving a pickup to a periphery area and measuring a focus error if the data recording capacity is below the reference value; and

- wherein the determining the diameter comprises:

- identifying the optical disc as a non-standard size and limiting the operational speed level of the optical disc drive if the measured focus error is above a constant value; or

- identifying the optical disc as a standard size and running the optical disc drive at a normal speed level if the measured focus error is below the constant value.

19-29. (Cancelled)